

# MEETING AGENDA

SEPTEMBER 10, 1996

ACS NPL Site RD/RA



## I. INTRODUCTION

- A. Overview of Agenda Items
- B. Data Update
  - Private Well Sampling Results

## II. LOWER AQUIFER TECH MEMO COMMENTS

- A. Additional Lower Aquifer Wells
  - U.S. EPA Comment #4
  - MW10 Area, (Comments #3, #32)
  - Southeast Area
- B. Lower Aquifer Monitoring Plan
- C. Residential Well Monitoring
- D. Production Well Abandonment
  - Further Data Collection (Comment #2, #18, #38, & #39)
    - Remove pump
    - Water level & total depth
    - Downhole geophysical log -- natural gamma
    - Collect sample (TCL/TAL)
  - Abandonment
    - Deep Wells (IW1 - IW4)
      - Fill open hole below casing with bentonite grout
      - Perforation and grout injection to seal annulus
    - Shallower Wells (IW5 - IW6)
      - Overdrill and set casing in clay, grout
      - Remove existing casing
      - Grout to surface

## III. OTHER KEY U.S. EPA COMMENTS

- #1. Extent of Contamination
- Compliance Points for monitoring

# Lower Aquifer Wells at the ACS Site

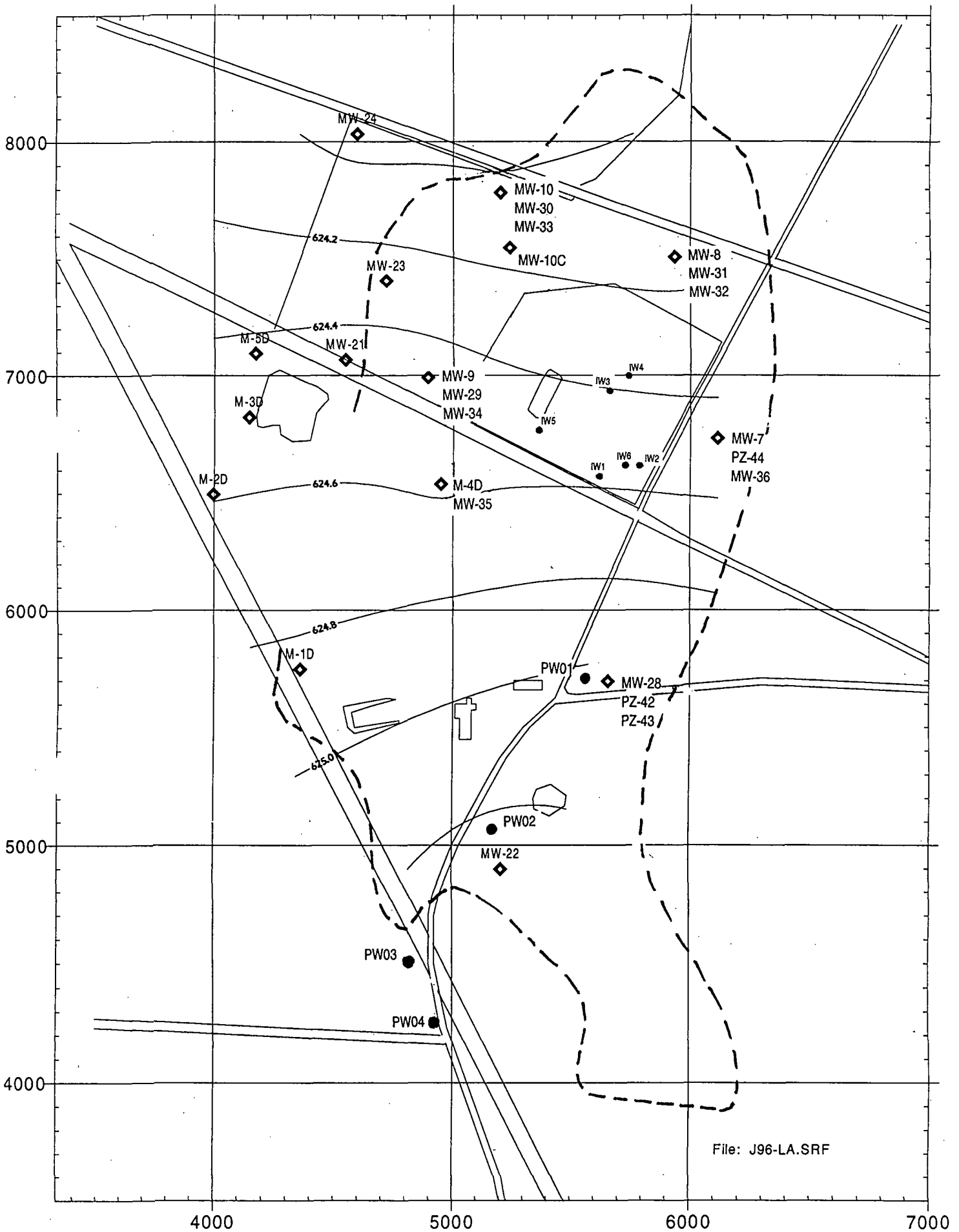


Table \_\_  
**Summary of Organic Analytical Detects**  
**Private Well Investigation**  
**American Chemical Services, Inc.**  
**Griffith, Indiana**

Analyte	CAS No.	APD-GWPW01-01 <sup>1</sup> 7/17/96			APD-GWPW02-01 <sup>2</sup> 7/17/96			APD-GWPW03-01 7/17/96			APD-GWPW04-01 7/17/96			APD-PWTB01-01 7/17/96		
		ug/L	LQ/DVQ	RDL	ug/L	LQ/DVQ	RDL	ug/L	LQ/DVQ	RDL	ug/L	LQ/DVQ	RDL	ug/L	LQ/DVQ	RDL
VOLATILES																
Chloromethane	74-87-3		U/	1		J/U	1		J/U	1		U/	1	0.1	J/	1
Chloroethane	75-00-3		U/	1	21	/	1		U/	1		U/	1		U/	1
Methylene chloride	75-09-2		U/	2		J/U	2		J/U	2		U/	2	0.6	J/	2
Acetone	67-64-1		J/R	5		U/R	5		/R	5		J/R	5	5	J/R	5
Chloroform	67-66-3		U/	1		U/	1		U/	1	0.2	J/	1		U/	1
1,2-Dichloroethane	107-06-2		J/U	1		J/U	1		J/U	1		U/	1	0.7	J/	1
Benzene	71-43-2		U/	1	1	/	1		U/	1		U/	1		U/	1
Toluene	108-88-3		U/	1	0.1	J/	1		U/	1		U/	1		U/	1
SEMIVOLATILES																
bis(2-Chloroethyl) ether	111-44-4				3	J/	10		U/	10		U/	10			
Carbazole	86-74-8				2	J/	10		U/	10		U/	10			
bis(2-Ethylhexyl)phthalate	117-81-7				12	/	10		U/	10		U/	10			

Notes:

This table presents a summary of the validated analytical results for compounds detected in at least one private well samples collected in July 1996. Volatiles analysis was performed using the low concentration SOW, semivolatile and PCB analysis was performed using the routine concentration SOW. PCBs were not detected in any of the samples.

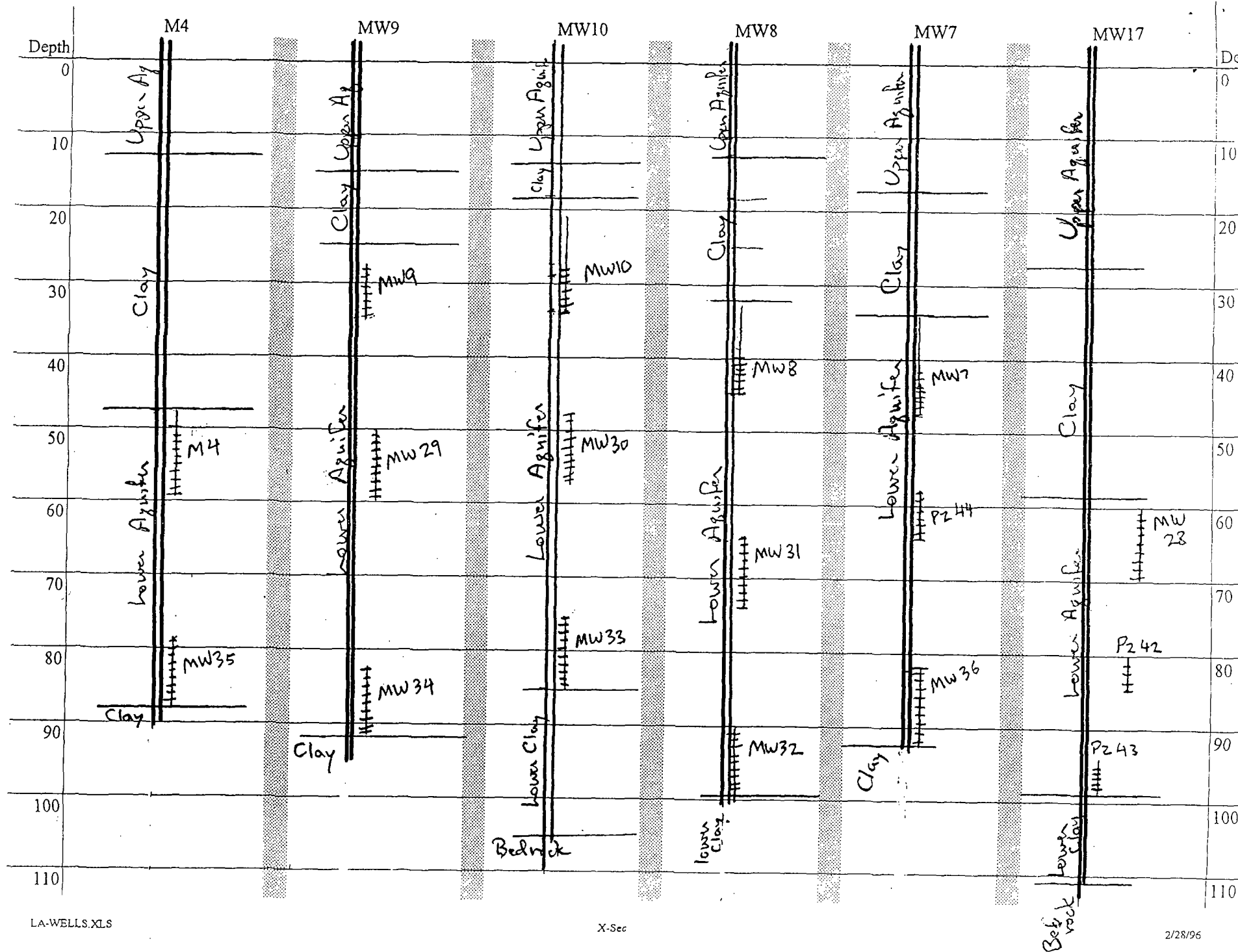
Analytical results are presented in units of ug/L.

LQ/DVQ = Laboratory Qualifier / Data Validation Qualifier, as defined in the appropriate SOW.

RDL = reported detection limit.

Footnotes

1. Semivolatile and PCB analysis was not performed on samples PW01-01 and PW01-91 because the samples were lost during shipping.
2. This well is not used for drinking water. The residence has a public water supply.



**Proposed Sampling Plan -- Lower Aquifer Monitoring Wells and Piezometers**  
**American Chemical Service, Inc.**  
**Griffith, Indiana**

	Well Identification	Piezometers	Well Screen Depth in Lower Aquifer	Site Location	Year 1 Quarter				Year 2 Quarter				Year 3
					1st	2nd	3rd	4th	5th	6th	7th	8th	
1	MW21		Upper	Side-gradient	V	V							
2	MW22		Upper	Upgradient	V	V							
3	MW23		Upper	Downgradient	V, S	V, S				V			V
4	MW24		Upper	Downgradient	V, S	V, S				V			
5	MW10C		Upper	Downgradient	V, S	V, S				V			V
6	MW9		Upper	Downgradient west of site	V, S	V, S				V			V
7	MW29		Middle		V, S	V, S				V			V
8	MW34		Lower		V, S	V, S				V			V
9	MW10		Upper	Downgradient north of site	V, S	V, S				V			V
10	MW30		Middle		V, S	V, S				V			V
11	MW33		Lower		V, S	V, S				V			V
12	MW8		Upper	Downgradient North	V, S	V, S				V			V
13	MW31		Middle		V, S	V, S				V			V
14	MW32		Lower		V, S	V, S				V			V
15	MW7		Upper	Site-gradient east of site	V	V				V			V
		PZ44	Middle										
16	MW36		Lower										
17	MW28		Upper	Upgradient east of site	V	V				V			V
		PZ42	Middle										
		PZ43	Lower										
18	M4		Upper	Griffith Landfill	V, S	V, S				V			V
19	MW35		Lower		V, S	V, S							
20	New Well		Upper	Near PW02	V, S	V, S				V			V

**Notes:**

V Volatile Organic Analysis

S Semi-Volatile Organic Analysis